

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicants : Yoshiaki SUZUKI et al.  
Appln. No : 10/525,724  
(National Stage of PCT/JP2003/011048)  
Group Art Unit : 1734  
Examiner : Unknown

I.A. Filed : August 29, 2003

For : REPAIR MATERIAL HAVING AFFINITY WITH TISSUE ADHESIVE

## INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents  
U.S. Patent and Trademark Office  
Customer Service Window, Mail Stop **AMENDMENT**  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Sir:

In accordance with the duty of disclosure under 37 C.F.R. 1.56, 1.97, and 1.98, Applicants hereby bring the following information to the attention of the Examiner, which includes information cited and discussed in the specification, the International Search Report, the Written Opinion and the International Preliminary Examination Report issued in connection with counterpart International Application No. PCT/JP2003/11048. Copies of the International Search Report (in English and Japanese), the Written Opinion (in Japanese) and the International Preliminary Examination Report (in Japanese) were enclosed with the papers when entering the National Stage on February 28, 2005. A copy of the English translation of the International Preliminary Examination Report is being submitted herewith. The Examiner is invited to review these materials to inspect the relevance indicated during international examination with respect to the documents cited therein.

Japanese Application No. 10-302170, which published as JP 2000-129015 and is accompanied by an English language abstract, is cited and discussed in the specification beginning on page 3, first full paragraph;

Japanese Application No. 5-148994, which published as JP 7-500 and is accompanied by an English language abstract, is cited and discussed in the specification beginning on page 3, second full paragraph;

Yoshiaki SUZUKI et al., "Ion Beam Irradiated Expanded Polytetrafluoroethylene for the Development of Dura Mater", IONICS, Vol. 27, No. 7, pp. 3-11 (2001);

Yoshiaki SUZUKI et al., "Biomedical Application of Ion Beam Irradiated Polymeric Materials", IONICS, Vol. 25, No. 6, pp. 47-54 (1999);

Masayoshi IZUKAWA et al., "Nerve Cell Attachment Property of Absorbable Poly-Lactic-Acid Modified by Carbon Negative-Ion Implantation", J. Vac. Soc. Jpn., Vol. 45, No. 6, pp 514-518 (2002);

U.S. Patent No. 5,152,783;

U.S. Patent No. 5,308,704;

U.S. Patent No. 6,051,751;

JP 5-208042, accompanied by an English language abstract;

EP 1 252 902 A1, and family member U.S. Patent No. 6,872,759;

Yoshiteru SUZUKI et al., "Ion Beam Ni Yoru ePTFE Jinko Komaku No Kaishitsu –Soshiki Oyobi Fibrin Nori Saibo Secchakusei No Fuyo-", The Society of Polymer Science, Japan Yokoshu, Vol. 52, No. 5, pp. 1152 (2003); and

Noriyoshi TAKAHASHI et al., "Ion Beam Shosha Ni Yoru ePTFE Jinko Komaku No Kairyō", Three Beams Gijutsu Ni yoru Hyomen Kaishitsu to Kaiseki Yokoshu Riken Symposium, Heisei 15 Nen, pp. 24 (2003).

In accordance with 37 C.F.R 1.98, copies of the U.S. patents are not enclosed herewith. However, if any copies are needed, the Examiner is respectfully requested to contact the undersigned.

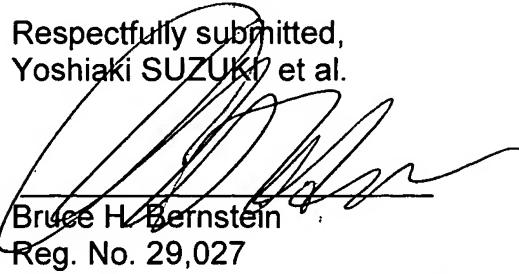
Copies of the above-noted documents, except for U.S. patents, are enclosed together with a duly completed Form PTO-1449. The Examiner is accordingly requested to consider each of these documents, and to make them of record in this application by initialing in the appropriate spaces on the Form PTO-1449. Applicants respectfully request that the Examiner include a copy of the initialed Form PTO-1449 with the next communication from the U.S. Patent and Trademark Office.

Applicants note that while this Information Disclosure Statement is being filed more than three months from the filing date, Applicants have not received an action on the merits from the U.S. Patent and Trademark Office. Accordingly, consideration of the enclosed document is required under 37 C.F.R. 1.97(b)(3).

However, if an action on the merits has been mailed prior to the filing date of this Information Disclosure Statement, Applicants hereby authorize the charging of any required fees necessary for consideration of the documents cited herein to Deposit Account No. 19-0089.

Should there be any questions, the Examiner is invited to contact the undersigned at the below listed telephone number.

Respectfully submitted,  
Yoshiaki SUZUKI et al.

  
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FORM PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P26894	Application No. 10/525,724		
 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant Yoshiaki SUZUKI et al.			
				Filing Date August 29, 2003	Group 1743		
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5 1 5 2 7 8 3	10/06/92	SUZUKI et al.			
		5 3 0 8 7 0 4	05/03/94	SUZUKI et al.			
		6 0 5 1 7 5 1	04/18/00	SIOSHANSI et al.			
		6 8 7 2 7 5 9	03/29/05	SUZUKI et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO
2000	-	1 2 9 0 1 5	05/09/00	JAPAN			
7	-	5 0 0	01/06/95	JAPAN			
5	-	2 0 8 0 4 2	08/20/93	JAPAN			
		1 2 5 2 9 0 2	10/30/02	E.P.O			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
1	Yoshiaki SUZUKI et al., "Ion Beam Irradiated Expanded Polytetrafluoroethylene for the Development of Dura Mater", IONICS, Vol. 27, No. 7, pp. 3-11 (2001).						
2	Yoshiaki SUZUKI et al., "Biomedical Application of Ion Beam Irradiated Polymeric Materials", IONICS, Vol. 25, No. 6, pp. 47-54 (1999).						
3	Masayoshi IZUKAWA et al., "Nerve Cell Attachment Property of Absorbable Poly-Lactic-Acid Modified by Carbon Negative-Ion Implantation", J. Vac. Soc. Jpn., Vol. 45, No. 6, pp 514-518 (2002).						
4	Yoshiteru SUZUKI et al., "Ion Beam Ni Yoru ePTFE Jinko Komaku No Kaishitsu -Soshiki Oyobi Fibrin Nori Saibo Secchakusei No Fuyo-", The Society of Polymer Science, Japan Yokosha, Vol. 52, No. 5, pp. 1152 (2003)						
5	Noriyoshi TAKAHASHI et al., "Ion Beam Shosha Ni Yoru ePTFE Jinko Komaku No Kairyō", Three Beams Gijutsu Ni yoru Hyomen Kaishitsu to Kaiseki Yokosha Riken Symposium, Heisei 15 Nen, pp. 24 (2003).						
6	English language Abstract of JP 2000-129015.						
7	English language Abstract of JP 7-500.						
EXAMINER	DATE CONSIDERED						
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							